

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 10 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 08/02/2004		2. CONTRACT NO. (If any) DTMA1D00002		6. SHIP TO:	
3. ORDER NO. MDO04000007		4. REQUISITION/REFERENCE NO. See Lines		a. NAME OF CONSIGNEE See Line Item Detail and Shipping Detail	
5. ISSUING OFFICE (Address correspondence to) DOT/Maritime Administration, MAR-380 400 Seventh Street, SW., Room 7310 Washington DC 20590				b. STREET ADDRESS	
				c. CITY	e. ZIP CODE
7. TO:				f. SHIP VIA	
a. NAME OF CONTRACTOR Raj Sengupta				8. TYPE OF ORDER	
b. COMPANY NAME Marine Design & Operations				<input type="checkbox"/> a. PURCHASE REFERENCE YOUR:	
c. STREET ADDRESS 357 Monroe Avenue, 2nd Floor				<input type="checkbox"/> b. DELIVERY - Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY Kenilworth		e. STATE NJ		f. ZIP CODE 07033-1124	
9. ACCOUNTING AND APPROPRIATION DATA - 69 - X4303 - 9 - 04 - 69 - - 80FAC0 - 160000 - - 2526 - - 0469 - 00461 - - -				10. REQUISITIONING OFFICE DOT/Maritime Administration, MAR-611	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input checked="" type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL				<input checked="" type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED	
12. F.O.B. POINT Destination		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 08/15/2004	
13. PLACE OF				16. DISCOUNT TERMS 10 days % 20 days % 30 days % days %	
a. INSPECTION	b. ACCEPTANCE				

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)		QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	SEE LINE ITEM DETAIL						
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO: John G. Hoban						
	a. NAME DOT/Maritime Administration, MAR-330						
	b. STREET ADDRESS (or P.O. Box) 400 Seventh Street, SW., Room 7325					\$175,000.00	17(i) GRAND TOTAL
	c. CITY Washington		d. STATE DC	e. ZIP CODE 20590			

22. UNITED STATES OF AMERICA BY (Signature)			23. NAME (Typed) Rilla A. Gaither TITLE: CONTRACTING/ORDERING OFFICER		
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RECEIVING REPORT

SHIPMENT NUMBER	PARTIAL		DATE RECEIVED	SIGNATURE OF AUTHORIZED U.S. GOV'T REP.	DATE
	FINAL				
TOTAL CONTAINERS		GROSS WEIGHT	RECEIVED AT	TITLE	

[illegible]

**ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION**

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 08/02/2004		CONTRACT NO. DTMA1D00002		ORDER NO. MDO04000007		
ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Fleet vessel survey</p> <p>The Contractor shall conduct Fleet Vessel Survey in accordance with the attached Statement Of Work.</p> <p><i>Delivery Date</i> <i>Start Date</i> <i>End Date</i> 08/15/2004 08/15/2004 04/09/2005</p> <p>Reference Requisition: PR600040115</p>	1.00	NTE	175,000.000	175,000.00	
0002	<p>Senior Designer/Engr/Arch</p> <p>86 Senior Engineering Days 112 X 686.90=\$75,559</p> <p><i>Delivery Date</i> <i>Start Date</i> <i>End Date</i> 08/15/2004 08/15/2004 04/09/2005</p> <p>Reference Requisition: PR600000016</p>	0.00	NTE	68.690	0.00	
0003	<p>Designer/Engineer/Architect</p> <p>39 Junior Engineering Days 84 X 469.80=\$39,463</p> <p><i>Delivery Date</i> <i>Start Date</i> <i>End Date</i> 08/15/2004 08/15/2004 04/09/2005</p>	0.00	NTE	46.980	0.00	
0004	<p>Travel -</p> <p>Travel, other than local, shall be reimbursed. The not-to-exceed ceiling amount shall be specified by the Government on the delivery orders. Estimate Total Travel \$40,000 (including airfare, M&IE, car-rental, lodging). Estimate Total Travel others (reproduction, communication etc) \$2,000.</p> <p><i>Delivery Date</i> <i>Start Date</i> <i>End Date</i> 08/15/2004 08/15/2004 04/09/2005</p>	0.00	NTE	42,000.000	0.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17i) ➡ \$175,000.00

Shipping Addresses

Code	Detail	Code	Detail
0001	Org: DOT/Maritime Administration, MAR-611 Addr: 400 Seventh Street, SW., Room 2119 Washington DC 20590 Attn: Joseph H. Seelinger, Chief, Division of Ship Maintenance Phone: (202) 366-5776 ext. Fax: () - ext.	0002	Org: DOT/Maritime Administration, MAR-611 Addr: 400 Seventh Street, SW., Room 2119 Washington DC 20590 Attn: Carl A. Heck Phone: (202) 366-2632 ext. Fax: () - ext.

Invoice Addresses

Code	Detail
0001	Org: DOT/Maritime Administration, MAR-330 Addr: 400 Seventh Street, SW., Room 7325 Washington DC 20590 Attn: John G. Hoban, Director, Office of Accounting Phone: (202) 366-5852 ext. Fax: () - ext.

Requisitioning Office Addresses

Code	Detail
0001	Org: DOT/Maritime Administration, MAR-611 Addr: 400 Seventh Street, SW., Room 2119 Washington DC 20590 Attn: Carl A. Heck Phone: (202) 366-2632 ext. Fax: () - ext.

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SECTION C -- DESCRIPTIONS AND SPECIFICATIONS

C.1 SOW

STATEMENT AND PLAN OF WORK FOR VESSEL SURVEYS FOR ALL VESSELS IN MARAD NDRF IN BEAUMONT, JAMES RIVER, AND SUISUN BAY.

Intent:

There are 138 vessels presently included in MARAD's reserve fleet in all three locations. These include all non-retention, hold and retention ships. Vessels in reimbursable category for non-retention and retention have not been considered for this proposal.

BEAUMONT - 34 Vessels

JAMES RIVER - 67 vessels (some of the vessels were earlier gauged for baseline condition)

SUISUN BAY - 71 vessels

Following are ship listings by fleet:

Beaumont Reserve Fleet:

No.	VESSEL NAME	Status
1	MAINE	Non-Retention
2	DUTTON	Non-Retention
3	MEACHAM	Non-Retention
4	BEAUJOLAIS	Non-Retention
5	PVT FRED C. MURPHY	Non-Retention
6	TEXAS CLIPPER	Hold
7	BUYER	Retention
8	BANNER	Retention
9	COURIER	Retention
10	AMERICAN OSPREY	Retention
11	AMERICAN EXPLORER	Non- Retention
12	MOUNT VERNON	Retention
13	DEL VALLE	Retention
14	DEL VIENTO	Retention
15	PENNSYLVANIA TRADER	Non-Retention
16	ADONIS	Non-Retention
17	LEXINGTON	Non-Retention
18	PRIDE II	Non-Retention
19	MARYLAND	Non-Retention
20	MAUMEE	Non-Retention
21	MARYLAND	Non-Retention
22	PIONEER CRUSADER	Retention
23	GULF BANKER	Retention
24	GULF TRADER	Retention
25	GULF SHIPPER	Retention
26	GULF MERCHANT	Retention
27	GULF FARMER	Retention
28	PIONEER CONTRACTOR	Retention
29	PIONEER COMMANDER	Retention
30	HATTIESBURG VICTORY	Non-Retention
31	BRINTON LYKES	Non-Retention
32	MALLORY LYKES	Retention
33	MAGALLANES	Non-Retention
34	ALLISON LYKES	Retention

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James River Reserve fleet:

No.	VESSEL NAME	Status
1	IX-509 (EX UEB1)	Non-Retention
2	ORTOLON	Non-Retention
3	MILWAUKEE	Non-Retention
4	BENJAMIN ISHERWOOD	Non-Retention
5	KALAMAZOO	Non-Retention
6	MONONGAHELA	Non-Retention
7	MERRIMACK	Non-Retention
8	SAVANNAH (EX AOR 4)	Non-Retention
9	SHENANDOAH	Non-Retention
10	PLATTE	Non-Retention
11	SYLVANIA	Non-Retention
12	YELLOWSTONE	Non-Retention
13	CAPE COD (AD 43)	Non-Retention
14	HENRY ECKFORD	Non-Retention
15	NITRO	Non-Retention
16	RANGE SENTINEL	Non-Retention
17	VANGUARD	Non-Retention
18	HUNLEY	Non-Retention
19	EMPIRE STATE V	Non-Retention
20	TRUCKEE	Non-Retention
21	NEOSHO	Non-Retention
22	ESCAPE	Non-Retention
23	MISSISSINEWA	Non-Retention
24	SURIBACHI	Non-Retention
25	MIZAR (*)	Non-Retention
26	AMERICAN RANGER (*)	Non-Retention
27	ALBERT J. MEYER (*)	Non-Retention
28	COMPASS ISLAND (*)	Non-Retention
29	CANOPUS (*)	Non-Retention
30	MARSHFIELD (*)	Non-Retention
31	NEPTUNE (*)	Non-Retention
32	PRESERVER (*)	Non-Retention
33	WACCAMAW (*)	Non-Retention
34	SUNBIRD (*)	Non-Retention
35	ARTHUR M. HUDDALL (*)	Non-Retention
36	KITTIWAKE (*)	Non-Retention
37	PAWCATUCK (*)	Non-Retention
38	VULCAN (*)	Non-Retention
39	SPHINX	Hold
40	GEN. VADENBERG	Hold
41	ORION	Hold
42	SAUGATUCK	Hold
43	HOIST	Hold
44	PATRIOT STATE	Hold
45	CAPE CHARLES	Hold
46	CAPE CANSO	Hold
47	USS GAGE	Hold
48	CAPE ALVA	Retention
49	CAPE ANN	Retention
50	CAPE ARCHWAY	Retention
51	CAPE CANAVERAL	Retention
52	CAPE CARTHAGE	Retention
53	CAPE CATAWBA	Retention
54	CAPE CATOCHE	Retention

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55	CAPE CHALMERS	Retention
56	CAPE CLEAR	Retention
57	CAPE COD	Retention
58	HARKNESS	Retention
59	JAMES MCHENRY	Retention
60	LAKE	Retention
61	PRIDE	Retention
62	RESOLUTE	Retention
63	SANTA LUCIA	Retention
64	SAVANNAH	Retention
65	SCAN	Retention
66	SHIRLEY LYKES	Retention
67	SOUTHERN CROSS	Retention

Suisun Bay Reserve Fleet:

No.	VESSEL NAME	Status
1	MISPILLION	Non-Retention
2	MOUNT HOOD	Non-Retention
3	WABASH (EX AOR 5)	Non-Retention
4	VANCOUVER	Non-Retention
5	KAWISHIWI	Non-Retention
6	CIMARRON	Non-Retention
7	HASSAYAMPA	Non-Retention
8	HOLLAND	Non-Retention
9	KANSAS CITY	Non-Retention
10	ROANOKE	Non-Retention
11	WICHITA	Non-Retention
12	WILLAMETTE	Non-Retention
13	WYMAN	Non-Retention
14	BOLSTER	Non-Retention
15	MAUNA KEA	Non-Retention
16	PONCHATOUA	Non-Retention
17	PYRO	Non-Retention
18	POINT LOMA	Non-Retention
19	CONNECTICUT	Non-Retention
20	GEN EDWIN D PATRICK	Non-Retention
21	SIOUX FALLS VICTORY	Non-Retention
22	BARNARD VICTORY	Non-Retention
23	FLORENCE	Non-Retention
24	JASON	Non-Retention
25	OCCIDENTAL VICTORY	Non-Retention
26	EARLHAM VICTORY	Non-Retention
27	RIDER VICTORY	Non-Retention
28	WINTHROP VICTORY	Non-Retention
29	QUEENS VICTORY	Non-Retention
30	THOMASTON	Non-Retention
31	POINT DEFIANCE	Non-Retention
32	AMERICAN RACER	Non-Retention
33	GETTYSBURG	Non-Retention
34	MONTICELLO	Non-Retention
35	CLAMP	Non-Retention
36	TALUGA	Non-Retention
37	GLACIER	Non-Retention
38	PIGEON	Non-Retention
39	RECLAIMER	Non-Retention
40	FLORIKAN	Non-Retention
41	TIOGA COUNTY	Non-Retention
42	NEREUS	Non-Retention

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44	PANAMERICAN VICTORY	Non-Retention
45	HANNIBAL VICTORY	Non-Retention
46	SPERRY	Non-Retention
47	GEN JOHN POPE	Non-Retention
48	DAWN	Non-Retention
49	AMERICAN RELIANCE	Non-Retention
50	BAY	Non-Retention
51	SOLON TURMAN	Non-Retention
52	H.H. HESS	Non-Retention
53	NEMASKET	Non-Retention
54	ADVENTURER	Retention
55	AGENT	Retention
56	AIDE	Retention
57	AMBASSADOR	Retention
58	APL-24	Retention
59	CAPE BLANCO	Retention
60	CAPE BORDA	Retention
61	CAPE BOVER	Retention
62	CAPE BRETON	Retention
63	LINCOLN	Retention
64	NORTHERN LIGHTS	Retention
65	PRESIDENT	Retention
66	SAGAMORE	Retention
67	SHOSHONE	Retention
68	WABASH (AOG -4)	Non-Retention
69	MISSION SANTA YENEZ	Non-Retention
70	WAHKIUM COUNTY	Non-Retention
71	Ex -PIGEON	Unknown at CNET

LEGEND: (*) Previously gauged for baseline

SCOPE OF WORK

The Contractor (hereinafter referred to as MDO) shall perform fleet vessel surveys on the above-cited vessel in accordance with the scope of work outlined herein:

1. Hull gauging surveys for all Non-Retention ships. This task will require site visits to three fleets, ie. JRRF, BRF, and SBRF

As done in the past for 40 vessels in the JRRF, MDO is to perform as follows for this task.

1.1. Develop a set of baseline gaugings for each vessel.

Scope:

A set of gaugings shall be taken as close as possible to the following areas:

1.1.1 First Cargo Hold aft of Fore Peak at least 10 gaugings (taken internally) each side alternately at 2 feet above and 2 feet below the waterline. (See Note 3.1)

1.1.2 Cargo Hold just forward of main machinery space at least 10 gaugings (taken internally) each side alternately at 2 feet above and 2 feet below the waterline. (See Note 3.1)

1.1.3 Main Machinery Space at least 4 gaugings shall be taken each side, 2 fwd and 2 aft just above the tank top within 8 feet of forward and aft machinery space bulkheads. 4 gaugings each at 90 degree interval just outside the periphery (or side plate) of main injection sea chest and overboard discharge (in case of motor vessels; main cooling sea chest and main cooling overboard).

1.1.4 After Steering Compartment at least 7 gaugings.

1.1.4.1 The steering compartment gaugings that were not taken for the 37 vessels already completed for JRRF shall be taken and added into the database.

1.1.5 Upon completion MDO will compile all data and present it in spreadsheet report format including the following information for each vessel:

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- 1.1.5.1 Gauging locations (frame #).
- 1.1.5.2 Gauging locations marked with fluorescent paint & a per ship diagram supplied to indicate locations.
- 1.1.5.3 Gauging readings expressed in Metric & English
- 1.1.5.4 Date readings taken
- 1.1.5.5 Original Classification Society required hull thickness
- 1.1.5.6 Average of the hull thickness measurements
- 1.1.5.7 Percentage of wastage compared to the original thickness

2 Project Management, Coordination, data collection, and final report.

2.1 All such activities including preparation of all final reports with attachments will be performed and controlled from MDO offices in Kenilworth, New Jersey. Designated Project Manager for this Project is Raj Sengupta.

3 Government Personnel

- 3.1 The Government has assigned to the task a Contracting Officer's Technical Representative (COTR). The COTR is Carl Heck.
- 3.2 The Contract Administrator for the task is Ms. Carolyn Knight, Contract Specialist, MARAD Office of Acquisition.

Notes:

3.3 In the case of Tankers readings shall be taken from inside the tanks and the tanks should be made safe for entry beforehand by MARAD. If entry into tanks is not available, gaugings shall not be taken and/or the entire ship shall be cancelled as deemed best by the MARAD COTR.